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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/910,398 07/20/2001		07/20/2001	Hiroshi Kuzuyama	5000-4901	9652
27123	7590	08/26/2004		EXAMINER	
MORGAN	& FINNE	EGAN, L.L.P.	HWU, DAVIS D		
3 WORLD F	INANCIA	AL CENTER			
NEW YORK, NY 10281-2101				ART UNIT	PAPER NUMBER
	,			2752	

DATE MAILED: 08/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application No.	Applicant(s)					
	09/910,398	KUZUYAMA, HIROSHI V					
Office Action Summary	Examiner	Art Unit					
	Davis Hwu	3752					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timed within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on 10 Ju	<u>ıne 2004</u> .						
2a)⊠ This action is FINAL. 2b)□ This action is non-final.							
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is							
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.					
Disposition of Claims							
4) ⊠ Claim(s) 1-5 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ⊠ Claim(s) 4 and 5 is/are allowed. 6) ⊠ Claim(s) 1-3 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or							
Application Papers							
9) The specification is objected to by the Examine  10) The drawing(s) filed on is/are: a) accomplicated and accomplicated and any objection to the Replacement drawing sheet(s) including the correct and the contract of the contract	epted or b) objected to by the bedrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign  a) All b) Some * c) None of:  1. Certified copies of the priority documents  2. Certified copies of the priority documents  3. Copies of the certified copies of the priority application from the International Bureau  * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage					
Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date  U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)  Office Ac	6) ☑ Other: <u>Figure 10</u> .						

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## Response to Amendment

1. Applicant's amendment and remarks filed June 10, 2004 are acknowledged and entered.

- 2. Applicant's remarks have been considered but are moot in view of the new ground(s) of rejection.
- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 4. The allowance of claim 3 is withdrawn in view of the amendment.

# Claim Rejections - 35 USC § 102

5. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Beck et al.

Beck et al. shows a fuel injector comprising:

- a pressure intensifying chamber 150 communicating with a fuel supply
   passage 118 through a check valve 119;
- a plunger 140 for pressure-intensifying fuel introduced into the pressure intensifying chamber; and
- a needle valve 190 for injecting the fuel pressure-intensified in the pressure intensifying chamber through an injection port, wherein there is provided a throttle passage branching from the fuel supply passage, the throttle passage normally communicating with a fuel drain passage 32 upstream from the check valve (see Figure 10 attached herein);

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wherein the throttle passage is a throttle hole feeding a small amount of fuel
 to a first drain 32 as recited in claim 2; and

wherein the plunger is formed in a pressure intensifying cylinder using a fuel supplied and discharged by an electromagnetic valve 30 as an operating fluid, and wherein the first drain passage communicates with a second drain passage 33 as recited in claim 3.

## Allowable Subject Matter

6. Claims 4 and 5 are allowed.

#### Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davis Hwu whose telephone number is 703-305-1663. The examiner can normally be reached on M-F 7:30 AM to 4:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Y. Mar can be reached on (703)308-2087. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Davis Hwu